PortServer® TS H MEI

Hardened Serial Servers

High-performance RS-232/422/485 serial-to-Ethernet connectivity for locations requiring extended temperature tolerance.

Overview

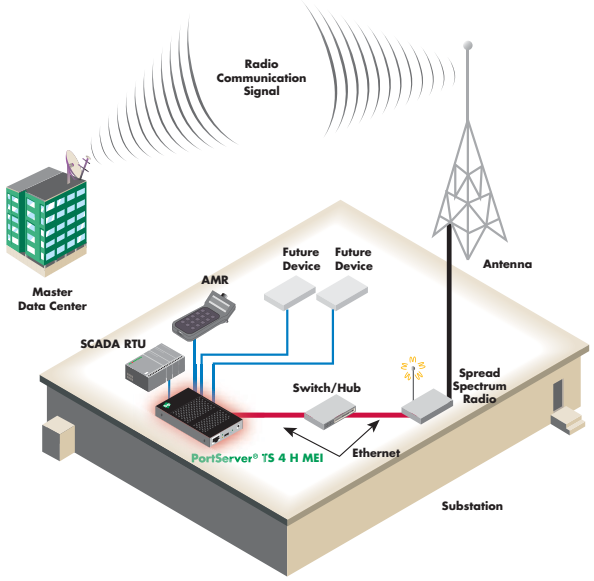
PortServer TS H MEI is designed for utility plants, pipelines, traffic management facilities, and other remote applications requiring a hardened serial-to-Ethernet solution that can withstand extreme temperatures. It is ideal for network-enabling and remotely managing variable message signs, loop detectors, ramp meters or any RS-232/422/485 serial device.

Digi's patented RealPort®, with encryption and user authentication*, makes it possible to establish a connection between the host and networked serial device by creating a local COM or TTY port on the host computer, allowing software applications to work with networked device servers instead of requiring a host adapter.

PortServer TS H MEI also delivers data security via SSHv2, port buffering, full SNMP device management and industry leading low latency.

*RealPort's encryption feature is compatible with AIX, HP UX, Linux, Windows XP, Windows 2000, Windows Server 2003, SCO OpenServer and Solaris. RealPort's authentication feature is compatible only with Windows XP, Windows 2000 and Windows Server 2003.

Application Highlight



Features/Benefits

- Robust, hardened model with extended temperature tolerance (-35° C to +74° C)
- 1, 2 or 4 RS-232/422/485 switch-selectable serial ports
- Patented RealPort for COM/TTY port control and management
- Monitoring and diagnostic utility
- Data security via SSHv2 and SSL/TLS
- Easy configuration through web interface (HTTP/HTTPS)
- Tunable for low latency or optimized for throughput
- Locking barrel power connector

Target Applications

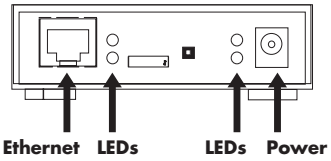
Utilities

Traffic Management

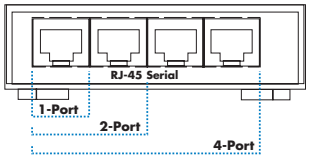
Industrial Automation

Specifications	PortServer® TS 1 H MEI	PortServer® TS 2 H MEI	PortServer® TS 4 H MEI
Features			
Management	HTTP/HTTPS, CLI, SNMP (read/write), Digi Port Authority - Remote management diagnostics and auto-discovery tool		
Protocols	UDP/TCP, DHCP/RARP/ARP-Ping for IP Address assignment, Extended Telnet RFC 2217, Telnet, Reverse Telnet, Modbus to Modbus/TCP protocol conversion support, PPP		
Security	SSHv2, SSL/TLS		
Software	Patented device-initiated RealPort® COM port redirector		
Status LEDs	Link, Activity, Power, Status		
Operating Systems	AIX, HP-UX, Linux®, SCO® OpenServer™ 5, SCO® OpenServer™ 6, Solaris™ Intel, Solaris™ SPARC, Windows XP®, Windows Server® 2003, Windows Server® 2008, Windows Vista®; Note: TCP/UPD Socket Services are operating system independent		
Dimensions (L x W x D)	5.25 in x 3.33 in x 0.95 in (13.34 cm x 8.46 cm x 2.42 cm)		
Weight	2.25 oz (64.00 g)		
Other	Full modem and hardware flow control, Modem emulation, Port buffering, RJ-45/DB-9F crossover cable included for optional serial configuration, Wall mount kit included		
Interfaces			
Serial			
Ports	1 RS-232/422/485 RJ-45; Up to 230 Kbps throughput; Signal support for TXD, RXD, RTS, CTS, DTR, DSR, DCD	2 RS-232/422/485 RJ-45; Up to 230 Kbps throughput; Signal support for TXD, RXD, RTS, CTS, DTR, DSR, DCD	4 RS-232/422/485 RJ-45; Up to 230 Kbps throughput; Signal support for TXD, RXD, RTS, CTS, DTR, DSR, DCD
Ethernet			
Ports	1 RJ-45 10/100 Mbps 10/100Base-T (auto-sensing); Full or half duplex		
Power Requirements			
Power Input	9-30VDC		
Power Supply	12VDC extended temperature power supply sold separately; Bare-wire “pigtail” power connector included		
Power Consumption	Typical: 4 W; Max: 6 W		
Surge Protection	4 kV burst (EFT) per EN61000-4-4, 2 kV surge per EN61000-4-5		
Environmental			
Operating Temperature	-35° C to +74° C (-31° F to 165° F)		
Storage Temperature	-40° C to +85° C (-40° F to -185° F)		
Relative Humidity	5% to 95% (non-condensing)		
Ethernet Isolation	1500VAC min per IEEE802.3/ANSI X3.263		
Serial Port Protection (ESD)	+15 kV air 6 AP and +8 kV contact discharge per IEC 100-4-2		
Approvals			
Safety	UL/CUL60950, IEC60950, CB		
Emissions/Immunity	CE, FCC Part 15 (Class A), EN55024, EN55022 Class A, AS/NZS 3548, VCCI V-3/99 .05		

PortServer TS H MEI - Front



PortServer TS H MEI - Back



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